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(12) **United States Patent**
Nakayama et al.(10) **Patent No.:** **US 6,531,165 B2**
(45) **Date of Patent:** ***Mar. 11, 2003**(54) **COLLAGEN PRODUCTION PROMOTER COMPOSITION**(75) **Inventors:** Yasukazu Nakayama, Yokohama (JP);
Nao Kojima, Tokyo (JP)(73) **Assignee:** Shiseido Company, Ltd., Tokyo (JP)(*) **Notice:** This patent issued on a continued prosecution application filed under 37 CFR 1.53(d), and is subject to the twenty year patent term provisions of 35 U.S.C. 154(a)(2).

Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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(51) **Int. Cl.⁷** A61K 35/78(52) **U.S. Cl.** 424/769; 424/725; 424/779;
514/844(58) **Field of Search** 424/195.1, 725,
424/769, 779; 514/844(56) **References Cited****U.S. PATENT DOCUMENTS**5,035,887 A 7/1991 Antoniadis et al. 424/85.2
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A collagen production promoter composition according to the present invention containing an extract from a shoot of a tree belonging to the Fagaceae Fagus, particularly a young shoot, as an active component, which exhibits a superior effect of prevention of aging by promoting the production of collagen, which is one of the components of the extracellular matrix, and the activation of the extracellular matrix and normalization of the skin tissue based on the promotion of production of collagen.

2 Claims, 1 Drawing Sheet